

509679-8

REVISION H

IN BILL OF MATERIAL, SOC. HD., CAP SCREW, NAS1352-16-40 IN ACCORDANCE WITH AIA/NAS NAS1352 (SUPERSEDING "MS16997-229"); SOC. HD., CAP SCREW, NAS1352-16-44 IN ACCORDANCE WITH AIA/NAS NAS1352 (SUPERSEDING "MS16997-231"); AND FOR PIN, SPRING, COILED MS39086-362, IN SPECIFICATION BLOCK ADD AIA/NAS NASM39086.

ABOVE THE BILL OF MATERIAL, ADD THE FOLLOWING NOTE:

CRITICAL APPLICATION ITEM

THE ITEM SPECIFIED BY THIS DRAWING WILL BE USED AS PART OF A SYSTEM SUPPORTING THE LAUNCH AND/OR RECOVERY OF AIRCRAFT AND IS ESSENTIAL TO SYSTEM PERFORMANCE OR OPERATION OR THE PRESERVATION OF LIFE OR SAFETY OF OPERATING PERSONNEL. AS SUCH, THE ITEM HAS BEEN DESIGNATED AS A CRITICAL APPLICATION ITEM (CAI). ANY DEVIATION FROM THIS SPECIFICATION, WITHOUT WRITTEN APPROVAL FROM THE NAVAL AIR SYSTEMS COMMAND (NAVAIR), SUPPORT EQUIPMENT AND AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (SE & ALRE) DEPARTMENT, IS STRICTLY PROHIBITED.

IN NOTE 2, SAE AMS 2518 (SUPERSEDING "MIL-T-5544").

IN NOTE 4, NAWC CAGE CODE - PART NO. (SUPERSEDING "NAEC PART NO.") AND ADD: "IN ACCORDANCE WITH MIL-STD-130".

DISREGARD NOTE 6, IN LIEU THEREOF THE FOLLOWING SHALL APPLY: THREAD DIMENSIONS AND DESIGNATIONS SHALL BE INTERPRETED IN ACCORDANCE WITH FED-STD-H28 AND ASME Y14.6 RESPECTIVELY. ACCEPTABILITY OF SCREW THREADS SHALL BE IN ACCORDANCE WITH SYSTEM 22 OF FED-STD-H28/20.

ADD THE FOLLOWING NOTE TO DRAWING:

PROCURING ACTIVITY TAKE NOTE:

TO ENSURE ACQUIRING ACTIVITY HAS THE LATEST DRAWING REVISION, SPECIFICATIONS AND QUALITY ASSURANCE REQUIREMENTS, A TECHNICAL DRAWING REVIEW (TDR) IS REQUIRED PRIOR TO PROCUREMENT. THE REQUEST FOR TDR SHALL BE FORWARDED VIA EMAIL TO TDRREI@NAVAIR.NAVY.MIL. THE TDR WILL BE PROCESSED IN A MAXIMUM OF THIRTY (30) DAYS.

IN FIELD OF DRAWING, NAS1352-16-40 (SUPERSEDING "MS16997-229") AND NAS1352-16-44 (SUPERSEDING "MS16997-231").

509680-1

REVISION J

IN "ASSOCIATED DOCUMENTS" BLOCK, DISREGARD MPR 1400 AND MPR 1.

DISREGARD NOTE 1, IN LIEU THEREOF THE FOLLOWING SHALL APPLY: REMOVE BURRS AND BREAK ALL SHARP EDGES .015 MAX.

DISREGARD NOTE 2, IN LIEU THEREOF THE FOLLOWING SHALL APPLY: WELDING PROCESS AND INSPECTION SHALL BE IN ACCORDANCE WITH NAVSEA-S9074-AR-GIB-010/278 CLASS M-2, CATEGORY B. (STRESS RELIEVE AFTER WELDING.)

509680-1 (CONT'D)

DISREGARD NOTE 3, IN LIEU THEREOF THE FOLLOWING SHALL APPLY:
AFTER WELDING EACH FINISHED PART SHALL BE 100% MAGNETIC PARTICLE INSPECTED IN ACCORDANCE WITH ASTM E1444 PERFORMED BY BOTH CIRCULAR AND LONGITUDINAL METHOD. THE WET PROCESS SHALL BE USED. PARTS MUST MEET THE REQUIREMENTS OF MIL-STD-2035, AND WELDS MUST MEET THE CLASS 1 REQUIREMENTS OF MIL-STD-2035.

DISREGARD NOTE 4, IN LIEU THEREOF THE FOLLOWING SHALL APPLY:
THREAD DIMENSIONS AND DESIGNATIONS SHALL BE INTERPRETED IN ACCORDANCE WITH FED-STD-H28 AND ASME Y14.6 RESPECTIVELY.
ACCEPTABILITY OF SCREW THREADS SHALL BE IN ACCORDANCE WITH SYSTEM 22 OF FED-STD-H28/20.

IN NOTE 8, SAE AMS-S-6758, COND. C OR D (SUPERSEDING "MPR 1, CLASS 4130, GRADE MP").

IN NOTE 9, ASTM A36/A36M (SUPERSEDING "QQ-S-741").

DISREGARD NOTE 10, IN LIEU THEREOF THE FOLLOWING SHALL APPLY:
IDENTIFY IN ACCORDANCE WITH MIL-STD-130, INCLUDING NAWC CAGE CODE - PART NO. AND CONTRACT NUMBER.

DISREGARD NOTE 11.

509681-8

REVISION F

IN "ASSOCIATED DOCUMENTS" BLOCK, DISREGARD MPR 1400 AND MPR 1.

DISREGARD NOTE 1, IN LIEU THEREOF THE FOLLOWING SHALL APPLY:
REMOVE BURRS AND BREAK ALL SHARP EDGES .015 MAX.

DISREGARD NOTE 2, IN LIEU THEREOF THE FOLLOWING SHALL APPLY:
WELDING PROCESS AND INSPECTION SHALL BE IN ACCORDANCE WITH NAVSEA S9074-AR-GIB-010/278, CLASS M2, CATEGORY B. (STRESS RELIEVE AFTER WELDING).

DISREGARD NOTE 3, IN LIEU THEREOF THE FOLLOWING SHALL APPLY:
AFTER WELDING EACH FINISHED PART SHALL BE 100% MAGNETIC PARTICLE INSPECTED IN ACCORDANCE WITH ASTM E1444 PERFORMED BY BOTH CIRCULAR AND LONGITUDINAL METHOD. THE WET PROCESS SHALL BE USED. PARTS MUST MEET THE REQUIREMENTS OF MIL-STD-2035, AND WELDS MUST MEET THE CLASS 1 REQUIREMENTS OF MIL-STD-2035.

IN NOTE 9, SAE AMS-S-6758, COND. C OR D (SUPERSEDING "MPR 1, CLASS 4130, GRADE MP").

IN NOTE 10, ASTM A36/A36M (SUPERSEDING "QQ-S-741").

DISREGARD NOTE 11, IN LIEU THEREOF THE FOLLOWING SHALL APPLY:
IDENTIFY IN ACCORDANCE WITH MIL-STD-130, INCLUDING NAWC CAGE CODE - PART NO. AND CONTRACT NO.

509682-8

REVISION F

IN "ASSOCIATED DOCUMENTS" BLOCK, DISREGARD MPR 1400 AND MPR 1.

DISREGARD NOTE 1, IN LIEU THEREOF THE FOLLOWING SHALL APPLY:
REMOVE BURRS AND BREAK ALL SHARP EDGES .015 MAX.

509682-8 (CONT'D)

DISREGARD NOTE 2, IN LIEU THEREOF THE FOLLOWING SHALL APPLY:
WELDING PROCESS AND INSPECTION SHALL BE IN ACCORDANCE WITH
NAVSEA S9074-AR-GIB-010/278, CLASS M2, CATEGORY B. (STRESS RELIEVE
AFTER WELDING).

DISREGARD NOTE 3, IN LIEU THEREOF THE FOLLOWING SHALL APPLY:
AFTER WELDING EACH FINISHED PART SHALL BE 100% MAGNETIC PARTI-
CLE INSPECTED IN ACCORDANCE WITH ASTM E1444 PERFORMED BY BOTH
CIRCULAR AND LONGITUDINAL METHOD. THE WET PROCESS SHALL BE
USED. PARTS MUST MEET THE REQUIREMENTS OF MIL-STD-2035. WELDS
MUST MEET THE CLASS 1 REQUIREMENTS OF MIL-STD-2035.

IN NOTE 9, SAE AMS-S-6758, COND. C OR D (SUPERSEDING "MPR 1, CLASS
4130, GRADE MP").

IN NOTE 10, ASTM A36/A36M (SUPERSEDING "QQ-S-741").

DISREGARD NOTE 11, IN LIEU THEREOF THE FOLLOWING SHALL APPLY:
IDENTIFY IN ACCORDANCE WITH MIL-STD-130, INCLUDING NAWC CAGE
CODE - PART NO. AND CONTRACT NO.

NATIONAL AEROSPACE STANDARDS

AIA/NAS REVISION 9 -----
NAS1352

AIA/NAS REVISION NONE -----
NASM39086

NOTE 1: WHERE NAVAL AIR ENGINEERING CENTER MATERIAL AND PROCESS
REQUIREMENTS (MPR) 1221, REVISION R IS REFERENCED, THE MPR SHALL
PREVAIL OVER ANY OTHER SPECIFICATIONS CITED.

THE FOLLOWING CHANGES SHALL APPLY: IN PARAGRAPH 2, DOCU-
MENTS, MIL-PRF-23236 (SUPERSEDING "MIL-P-23236").

NOTE 2: WHERE REFERENCED ON DRAWINGS, THE FOLLOWING NOTES SHALL
APPLY:

ABOVE TITLE BLOCK, NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION,
LAKEHURST, NJ 08733 (SUPERSEDING "NAVAL AIR ENGINEERING CENTER,
LAKEHURST, NJ 08733").

ASME B46.1 (SUPERSEDING "ANSI B46.1").

NAWC (SUPERSEDING "NAEC").

NOTE 3: THE FOLLOWING SHALL APPLY TO ALL TECHNICAL DRAWINGS WHICH DO
NOT BEAR A DISTRIBUTION STATEMENT AS REQUIRED BY OPNAVINST
5510.1H:

EXCEPT FOR FIXED, LANDBASED ARRESTING GEAR -

ALL LAUNCH AND RECOVERY EQUIPMENT, INCLUDING COMPONENTS,
PARTS, ACCESSORIES, ATTACHMENTS AND ASSOCIATED EQUIPMENT
(INCLUDING GROUND SUPPORT EQUIPMENT), SPECIFICALLY DESIGNED OR
MODIFIED FOR LAUNCH AND RECOVERY EQUIPMENT, FALL UNDER THE

NOTE 3:
(CONT'D)

INTERNATIONAL TRAFFIC IN ARMS REGULATIONS, 22CFR PART 121.1, CATEGORY VIII, VOL. 49, NO. 236 OF THE FEDERAL REGISTER AND IS CONSIDERED EXPORT CONTROLLED TECHNOLOGY.

A. ALL SPECIFICATION CONTROL, SOURCE CONTROL, INTERFACE CONTROL AND ALTERED ITEM DRAWINGS SHALL BE GOVERNED BY DISTRIBUTION STATEMENT "A" OF OPNAVINST 5510.1H AND ARE CLEARED FOR PUBLIC RELEASE.

B. ALL OTHER DRAWINGS AND TECHNICAL DOCUMENTS SHALL BE GOVERNED BY DISTRIBUTION STATEMENT "D" OF OPNAVINST 5510.1H AND ARE CLEARED FOR USE BY DOD AND DOD CONTRACTORS ONLY. UPON COMPLETION OF THE CONTRACT, ALL DOCUMENTS WILL BE DESTROYED BY ANY METHOD THAT WILL PREVENT DISCLOSURE OF CONTENTS OR RECONSTRUCTION OF THE DOCUMENT.

NOTE 4:

SECTION 326 OF THE 1993 DEFENSE AUTHORIZATION ACT PLACES RESTRICTIONS ON THE USE OF CLASS I OZONE DEPLETING SUBSTANCES (ODS). UNTIL SUCH TIME AS THESE CLASS I ODS'S ARE ELIMINATED FROM MILITARY DRAWINGS AND SPECIFICATIONS (INCLUDING SECOND TIER, I.E., THOSE SPECIFICATIONS LISTED IN THE SPECIFICATIONS LISTED ON THE DRAWINGS), THE FOLLOWING SHALL APPLY:

1. THE CONTRACTOR SHALL USE A GOVERNMENT APPROVED NON-OZONE DEPLETING SUBSTANCE.
2. IF A GOVERNMENT APPROVED NON-OZONE DEPLETING SUBSTANCE IS UNKNOWN/ UNAVAILABLE, THE CONTRACTOR SHALL CONTACT 4.8.1.4 AT NAWCAD LAKEHURST FOR AN ACCEPTABLE SUBSTITUTE, AN ALTERNATE PROCESS OR A WAIVER OF THE REQUIREMENT.

SEE ATTACHED PAGES FOR QUALITY ASSURANCE REQUIREMENTS.